

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of )  
 )  
Hiromu OHARA )  
 )  
Serial No.: Not Yet Assigned ) Group Art Unit:  
 )  
Filed: April 27, 2001 ) Examiner:

For: PCI RADIATION IMAGE PROCESSING APPARATUS, PCI RADIATION  
IMAGE DETECTING APPARATUS, PCI RADIATION IMAGE OUTPUTTING  
APPARATUS, AND PCI IMAGE DIAGNOSIS SUPPORTING APPARATUS

**Assistant Commissioner for Patents**  
**Washington, D.C. 20231**  
Attention:

Sir:

**PRELIMINARY AMENDMENT**

Prior to examination, please amend the above-identified application as  
follows:

**IN THE SPECIFICATION:**

Please amend the specification as follows:

Insert the following amended paragraph at Page 17, lines 9 and 10:

Figs. 9(a) to 9(e) are a series of graphs explaining dynamic range  
compression processing.

Insert the following amended paragraph at Page 19, lines 1 and 2:

Figs. 24(a) and 24(b) are views in which a scale is attached to the image.

Insert the following amended paragraph at Page 55, lines 17 through 24, through Page 56, lines 1 through 9 :

Herein, as shown in Fig. 9(A), when unsharp data Sus exhibit such characteristics that when it becomes less than level "La", G(Sus) increases, the density in the lower density region is regarded to be high, and image data Sorg shown in Fig. 9(B) are regarded as image data Stb which are subjected to dynamic range compression in the lower density region as shown in Fig. 9(C). Further, as shown in Fig. 9(D), when G(Sus) exhibits such characteristics that when unsharp data Sus become less than level "Lb", G(Sus) decreases, the density in the higher density region is regarded to be high and image data Sorg, shown in Fig. 9(B), are subjected to dynamic range compression in the higher density region as shown in Fig. 9(E). Herein, levels "La" and "Lb" are obtained employing the same determining method employed to determine standard values S1 and S2 during the setting of the aforementioned gradation processing conditions.

#### **REMARKS**

The requested amendments are submitted to conform the specification with the drawings.

The amendment is fully supported by the Specification and drawings, will not require an additional search, and does not raise new issues. Therefore, applicant respectfully requests that this Preliminary Amendment be entered and the requested changes made.

LAW OFFICES

FINNEGAN, HENDERSON,  
FARABOW, GARRETT,  
& DUNNER, L.L.P.  
1300 I STREET, N. W.  
WASHINGTON, DC 20005  
202-408-4000

If there are any fees due in connection with the filing of this preliminary amendment, please charge the fees to Deposit Account No. 06-0916. If a fee is required for an extension of time under 37 C.F.R. § 1.136 not accounted for above, such an extension is requested and the fee should also be charged to our deposit account.

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Ernest F. Chapman  
Reg. No. 25,961

LAW OFFICES

FINNEGAN, HENDERSON,  
FARABOW, GARRETT,  
& DUNNER, L.L.P.  
1300 I STREET, N. W.  
WASHINGTON, DC 20005  
202-408-4000

## APPENDIX TO THE PRELIMINARY AMENDMENT

Please amend the specification as follows:

Page 17, lines 9 and 10:

Figs. 9(a) to [9(c)] 9(e) are a series of graphs explaining dynamic range compression processing.

Page 19, lines 1 and 2:

Figs. 24(a) and [24(b)] 24(b) are views in which a scale is attached to the image.

Page 55, lines 17 through 24, through Page 56, lines 1 through 9 :

Herein, as shown in Fig. 9(A), when unsharp data Sus exhibit such characteristics that when it becomes less than level "La", G(Sus) increases, the density in the lower density region is regarded to be high, and image data Sorg shown in Fig. 9(B) are regarded as image data Stb which are subjected to dynamic range compression in the lower density region as shown in Fig. [8(C)] 9(C). Further, as shown in Fig. 9(D), when G(Sus) exhibits such characteristics that when unsharp data Sus become less than level "Lb", G(Sus) decreases, the density in the higher density region is regarded to be high and image data Sorg, shown in Fig. 9(B), are subjected to dynamic range compression in the higher density region as shown in Fig. 9(E). Herein, levels "La" and "Lb" are obtained employing the same determining method employed to determine standard values S1 and S2 during the setting of the aforementioned gradation processing conditions.